

Abstract

Method of processing MPLS packets in a telecommunication
5 equipment comprising the following steps in the following order :
incoming direction :

- count received frames and octets,
- validate packets,
- determine interface identification,
- 10 • count received packets and octets,
- strip external header,
- lookup for destination of incoming packets,
- next layer decision and forwarding,
- TTL management,
- 15 • if next-hop is not the equipment, PHB determination;

outgoing direction :

- extract TTL from received outgoing client packets,
- forward received outgoing client packet as stripped MPLS packet with FEC, PHB, TTL,
- 20 • generate End_of_Stack bit,
- forward stripped MPLS packet with FEC, PHB, TTL, End_of_Stack
- lookup for destination of outgoing client packets with FEC originated by the equipment,
- 25 • TTL management
- create MPLS header,
- count transmitted packets and octets,
- forward MPLS packet, PHB, Next Hop.